

9. The method of any one of claims ~~1, 2 or 4~~ 22 or 23 wherein the line rate is increased to an odd number of lines in the range of 821 to 839 lines.

10. The method of claim 9 or claim 24 wherein the line rate is increased to 825 lines.

11. The method of any one of claims ~~1, 2 or 4~~ 22 or 23 wherein the frame rate is increased to nominally 100 Hz.

15. The method of any one of claims ~~12, 13 or 14~~ 25, 26 or 27 wherein said increasing the number of lines in each field of the derived television signal with respect to the number of lines in each field of the original television signal comprises:

combining said further signal stream with portions of said yet further signal stream.

16. The method of any one of claims ~~12, 13 or 14~~ 25, 26 or 27 wherein n is three and the field rate is increased to nominally 75 Hz.

17. The method of claim 16 wherein the line rate is increased to an odd number of lines in the range of 821 to 839 lines.

18. The method of claim 17 wherein the line rate is increased to 825 lines.

19. The method of any one of claims ~~12, 13 or 14~~ 25, 26 or 27 wherein the line rate is increased to an odd number of lines in the range of 821 to 839 lines.

20. The method of claim 19 wherein the line rate is increased to 825 lines.

21. The method of any one of claims ~~12, 13 or 14~~ 25, 26 or 27 wherein n is four and the field rate is increased to nominally 100 Hz.

Please add new claims 22-27 as follows:

22. A method for deriving an interlaced television signal from an interlaced 625 line, nominally 50 Hz field rate television signal, the derived television signal having perceived reduced line structure and perceived reduced flicker, comprising

increasing the number of lines in each field of the derived television signal with respect to the number of lines in each field of the original television signal, such that the increase in lines reduces perceived line structure in the derived television signal, said increasing the number of lines comprising

de-interlacing the original television signal to produce a progressively scanned 625 line, nominally 50 Hz frame rate television signal, and

increasing the number of lines in each frame of the progressively scanned television signal, and

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after increasing the number of lines in each field, increasing the field rate of the derived television signal with respect to the field rate of the original television signal, such that the increase in field rate reduces perceived flicker in the derived television signal, said increasing the field rate comprising

reinterlacing the progressively scanned television signal such that for some progressively scanned frames a pair of interlaced fields are derived and for selected progressively scanned frames only one interlaced field is derived, whereby selected ones of the potential interlaced fields are dropped,

wherein the increase in the field rate and the increase in the number of lines in the derived television signal results in a horizontal scanning rate that does not substantially exceed twice the horizontal scanning rate of the original television signal while minimizing undesirable motion artifacts.

23. A method for deriving an interlaced television signal from an interlaced 625 line, nominally 50 Hz field rate television signal, the derived television signal having perceived reduced line structure and perceived reduced flicker, comprising,

increasing the number of lines in each field of the derived television signal with respect to the number of lines in each field of the original television signal, such that the increase in lines reduces perceived line structure in the derived television signal, wherein said increasing the number of lines comprises

increasing the number of lines in each frame of the original television signal, and

de-interlacing the line-increased original television signal to produce a progressively scanned 625 line, nominally 50 Hz frame rate television signal, and

after increasing the number of lines in each field, increasing the field rate of the derived television signal with respect to the field rate of the original television signal, such that the increase in field rate reduces perceived flicker in the derived television signal, wherein said increasing the field rate comprises

reinterlacing the progressively scanned television signal such that for some progressively scanned frames a pair of interlaced fields are derived and for selected

progressively scanned frames only one interlaced field is derived, whereby selected ones of the potential interlaced fields are dropped,

wherein the increase in the field rate and the increase in the number of lines in the derived television signal results in a horizontal scanning rate that does not substantially exceed twice the horizontal scanning rate of the original television signal while minimizing undesirable motion artifacts.

24. A method for deriving an interlaced television signal from an interlaced 625 line, nominally 50 Hz field rate television signal, the derived television signal having perceived reduced line structure and perceived reduced flicker, comprising, in either order,

increasing the field rate of the derived television signal with respect to the field rate of the original television signal, such that the increase in field rate reduces perceived flicker in the derived television signal, and

increasing the number of lines in each field of the derived television signal with respect to the number of lines in each field of the original television signal, wherein the line rate is increased to an odd number of lines in the range of 821 to 839 lines, such that the increase in lines reduces perceived line structure in the derived television signal,

wherein the increase in the field rate and the increase in the number of lines in the derived television signal results in a horizontal scanning rate that does not substantially exceed twice the horizontal scanning rate of the original television signal while minimizing undesirable motion artifacts.

25. A method for deriving an interlaced television signal from an interlaced 625 line, nominally 50 Hz field rate television signal, the derived television signal having perceived reduced line structure and perceived reduced flicker, comprising,

increasing the field rate of the derived television signal with respect to the field rate of the original television signal, such that the increase in field rate reduces perceived flicker in the derived television signal, said increasing the field rate comprising

deriving two or three signal streams from said original television signal, each of said signal streams comprising a pattern of n repeated time-compressed fields, each of said signal streams having a field rate substantially equal to said increased field rate, all of fields in a signal stream

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being of the same parity, at least one signal stream consisting of even parity fields, each field in a signal stream being substantially identical in information content to each consecutive field of the same parity in the original television signal,

deriving a further signal stream from said two or three signal streams by alternately selecting even and odd fields from said two or three signal streams, and

deriving yet a further signal stream from said two or three signal streams by alternately selecting, from said two or three signal streams, a field of opposite parity to the field selected for said further signal stream, and

after increasing the field rate, increasing the number of lines in each field of the derived television signal with respect to the number of lines in each field of the original television signal, such that the increase in lines reduces perceived line structure in the derived television signal,

wherein the increase in the field rate and the increase in the number of lines in the derived television signal results in a horizontal scanning rate that does not substantially exceed twice the horizontal scanning rate of the original television signal while minimizing undesirable motion artifacts.

26. A method for deriving an interlaced television signal from an interlaced 625 line, nominally 50 Hz field rate television signal, the derived television signal having perceived reduced line structure and perceived reduced flicker, comprising,

increasing the field rate of the derived television signal with respect to the field rate of the original television signal, such that the increase in field rate reduces perceived flicker in the derived television signal, said increasing the field rate comprising

deriving two or three signal streams from said original television signal, each of said signal streams comprising a pattern of n repeated time-compressed fields, each of said signal streams having a field rate substantially equal to said increased field rate, all of fields in a signal stream being of the same parity, at least one signal stream consisting of even parity fields, each field in a signal stream being substantially identical in information content to each consecutive field of the same parity in the original television signal,

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comparing two of said two or three signal streams in order to detect a film pattern,

deriving a further signal stream from said two or three signal streams by alternately selecting even and odd fields from said two or three signal streams when a film pattern is detected, and

deriving yet a further signal stream from said two or three signal streams by alternately selecting, from said two or three signal streams, a field of opposite parity to the field selected for said further signal stream when a film pattern is detected, and

after increasing the field rate, increasing the number of lines in each field of the derived television signal with respect to the number of lines in each field of the original television signal, such that the increase in lines reduces perceived line structure in the derived television signal,

wherein the increase in the field rate and the increase in the number of lines in the derived television signal results in a horizontal scanning rate that does not substantially exceed twice the horizontal scanning rate of the original television signal while minimizing undesirable motion artifacts.

27. A method for deriving an interlaced television signal from an interlaced 625 line, nominally 50 Hz field rate television signal, the derived television signal having perceived reduced line structure and perceived reduced flicker, comprising,

increasing the field rate of the derived television signal with respect to the field rate of the original television signal, such that the increase in field rate reduces perceived flicker in the derived television signal, said increasing the field rate comprising

deriving two or three signal streams from said original television signal, each of said signal streams comprising a pattern of n repeated time-compressed fields, each of said signal streams having a field rate substantially equal to said increased field rate, all of fields in a signal stream being of the same parity, at least one signal stream consisting of even parity fields, each field in a signal stream being substantially identical in information content to each consecutive field of the same parity in the original television signal,